

..... CANCER .....

The following information on cancer summarizes data collected by the Bureau of Health Information. There were 23,920 new cases of *invasive* cancer diagnosed among Wisconsin residents in 1999. The number of Wisconsin resident deaths attributed to cancer in 1999 was 10,731. Since 1990, the overall cancer mortality rate has declined.

CANCER INCIDENCE

	1999	1995	1990
• <i>Invasive</i> <sup>1</sup> cancers diagnosed:	23,920	23,455	21,833
• Age-adjusted <i>invasive</i> incidence rate per 100,000 population:			
Male	515	552	544
Female	385	411	397
<b>Total</b>	<b>438</b>	<b>466</b>	<b>451</b>
• <i>Invasive</i> cancers diagnosed by age, males <sup>2</sup> :			
< 25	1%	2%	2%
25-44	5	6	5
45-64	31	28	25
65+	63	65	68
• <i>Invasive</i> cancers diagnosed by age, females <sup>2</sup> :			
< 25	2%	2%	2%
25-44	11	10	9
45-64	32	30	30
65+	56	59	59
• The most frequently diagnosed <i>invasive</i> cancers for males in 1999 were prostate (30%), lung (15%) and colorectal (13%).			
• The most frequently diagnosed <i>invasive</i> cancers for females in 1999 were breast (33%), colorectal (13%) and lung (11%).			

	1999	1995	1990
• Extent of disease, at diagnosis, for all cancers <sup>2</sup> :			
Local	53%	48%	47%
Non-local	40	41	43
Not stated	7	11	10
• Extent of disease, at diagnosis, for female breast cancer <sup>2</sup> :			
Local	71%	65%	63%
Non-local	26	29	31
Not stated	4	6	6
• Extent of disease, at diagnosis, for prostate cancer <sup>2</sup> :			
Local	80%	70%	61%
Non-local	15	18	28
Not stated	5	13	11

CANCER SCREENINGS, 1999

• Women (50+ ) who had a mammogram in the past year:	58%
• Women (50+ ) who had a mammogram in past two years:	82%
• Women (18+ ) who had a clinical breast exam in the past year:	64%
• Women (18+ ) who had a Pap smear in the past year:	58%
• Women (18+ ) who had a Pap smear in past three years:	84%

WISCONSIN ADULTS AND CANCER, 1999

	Age	Percent
• Estimated percent of adults ever diagnosed with cancer <sup>3</sup> :		
	18-44	1%
	45-64	7
	65-74	15
	75+	17
	<b>All Adults</b>	<b>6%</b>

CANCER MORTALITY

	1999	1995	1990
• Total reportable cancer deaths:	10,731	10,521	10,230
• Percent of all deaths:	23%	23%	24%
• Age-adjusted death rate per 100,000 population:			
Male	243	260	273
Female	158	167	173
<b>Total</b>	<b>192</b>	<b>203</b>	<b>212</b>
• Cancer deaths by age, males <sup>2</sup> :			
< 25	1%	1%	1%
25-44	3	3	3
45-64	23	22	24
65+	73	74	72
• Cancer deaths by age, females <sup>2</sup> :			
< 25	1%	1%	1%
25-44	4	4	4
45-64	22	21	24
65+	74	75	71
• Average years of potential life lost due to cancer mortality <sup>4</sup> :			
Lung	16.7	15.4	16.4
Colorectal	14.2	14.3	15.0
Prostate	9.8	9.6	10.1
Female Breast	19.9	19.1	20.0
Cervical	27.6	27.6	27.0

- The most frequent cancer deaths for males in 1999 were lung (27%), prostate (12%) and colorectal (11%).
- The most frequent cancer deaths for females in 1999 were lung (22%), breast (16%) and colorectal (11%).

<sup>1</sup> Invasive cancers are those that invade the host organs and may also invade the surrounding tissue.  
<sup>2</sup> Percent totals may not sum to 100 due to rounding.  
<sup>3</sup> Includes nonreportable cancers; does not include residents of nursing homes and other institutions.  
<sup>4</sup> The average difference between the age at death and the *expected* age at death, calculated from Wisconsin life expectancy tables for 1997-99.

## ADDITIONAL INFORMATION

**Cancers Reportable to the Wisconsin Cancer Reporting System.** By statute, all malignant *in situ* (noninvasive) cancers and invasive cancers except basal cell and squamous cell carcinomas of the skin are reportable.

**Age-adjusted Rates.** Age-adjusted rates take into account diverse age distributions between populations. This permits comparisons between different years and places. An age-specific rate for each age group was determined, then weighted by multiplying it by the proportion of the Year 2000 U.S. standard population in that age group. The age-adjusted rate is the sum of the weighted age-specific rates.

**Extent of Disease.** "Local" includes invasive and *in situ* tumors confined to the organ of origin; "non-local" includes all regional and distant tumors.

**Sources of Data.** Incidence data are collected by the Cancer Reporting System; mortality data are from Vital Records death files; cancer screening data (estimates based on sample data) are obtained from the 1999 Wisconsin Behavioral Risk Factor Survey; and the percent of adults ever diagnosed with cancer is from the 1999 Wisconsin Family Health Survey.

**1990 and 1995 Data.** These data are different from those published in earlier Health Counts publications. Differences are due to 1) using the Year 2000 U.S. standard population to age-adjust rates (previous publications used the 1970 U.S. standard population); 2) changing from reporting invasive and non-invasive cancers combined to invasive-only cancers and 3) additional cases reported for those years that were received after the publication of earlier Health Counts.

### Wisconsin Cancer Incidence and Mortality, 1999

provides more detailed information. This report and other cancer-related publications are available online at <http://www.dhfs.state.wi.us/wcrs/>. To request printed reports, call Joan Gugel at (608) 267-7955. For additional information, call Laura Stephenson at (608) 266-8926.

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# Health Counts in Wisconsin

New Findings from the Bureau of Health Information

## CANCER

### 1999

Division of Health Care Financing  
Department of Health and Family Services